

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Application of:	)	
Jean-Jacques Codani et al.	)	
Application No:	)	Art Unit: 1631
10/723,522	)	
Filed:	)	Confirmation No.: 8678
November 26, 2003	)	
For:	)	Examiner: Clow, Lori A
SYSTEMS AND METHODS FOR	)	
SEQUENCE COMPARISON	)	
	)	

Certificate of Electronic Filing

I hereby certify that this paper is being filed using the EFS-Web electronic filing system on October 4, 2007.

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/Stephen B. Deutsch/  
Stephen B. Deutsch

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

**AMENDMENT AND  
RESPONSE TO NOTICE OF NON-COMPLIANT AMENDMENT**

In response to the Notice of Non-Compliant Amendment dated September 25, 2007, and for the purpose of placing into compliance the Amendment and Response filed on July 16, 2007, in response to the Office Action dated January 19, 2007, Applicants submit the following Amendment and Response to Notice of Non-Complaint Amendment.

It is not believed that extensions of time or fees for net addition of claims are required, beyond those which may otherwise be provided for in documents accompanying this paper; however, in the event that additional extensions of time are necessary, then such extensions of time are hereby petitioned under 37 C.F.R. § 1.136(a).

The Commissioner is hereby authorized to credit any overpayment or charge any required fees or deficiencies to Deposit Account Number **06-1448, Reference GIO-101.**

As set forth below, please amend the specification, cancel claims 1, 34, 35 and 39-46, add new claims 47-57, and amend claims 2, 4, 6, 8, 10, 12-19 and 26-32.

The cancellation of claims 34, 35 and 39-46, and the addition of new claims 48-57, is in response to the Notice of Non-Complaint Amendment, and is intended to resolve the duplicate-claim-numbering issue raised therein. Other claim cancellations, additions and amendments are those made in the prior non-compliant amendment, in response to the Office Action dated January 19, 2007.

Applicant respectfully suggests that pending original, amended and new claims 2-22, 26-33 and 47-57 are now in condition for allowance.